



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/889,306	07/13/2001	Lionel Wolovitz	5035-112US	2331
20802 7590 05/22/2009 FOX ROTHSCHILD LLP P O BOX 592 112 NASSAU STREET PRINCETON, NJ 08542-0592			EXAMINER RAMAKRISHNAIAH, MELUR	
			ART UNIT 2614	PAPER NUMBER
			MAIL DATE 05/22/2009	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	09/889,306	WOLOVITZ ET AL.	
	Examiner	Art Unit	
	Bing Q Bui	2642	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 July 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-35 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 July 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>7/13/01</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-35 are pending in the application for examination.

Drawings

2. The drawings are objected to because the drawings do not show legends explaining the number shown the drawing. A proposed drawing correction or corrected drawings are required in reply to the Office Action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claims 1-35 are rejected under 35 U.S.C. 102(e) as being anticipated by Hollander et al (EP 0 936 694 A2) cited by Applicant; herein after referred as Hollander.

Regarding claim 1, referring to Figures 1-4 and 12, Hollander teaches a removable wireless device (e.g., modem card 10) which is adapted to be insertable and fully removable from a computing device (e.g., laptop computer 12), the wireless device (e.g., modem card 10) comprising.

- (i) an antenna (see Fig 2, elements 22 and 24 and col. 7, Ins 6-52); .
- (ii) an analogue radio amplifier connected to the antenna (see Fig 12 and col. 9, Ins 21-54);
- (iii) a platform on which the antenna and radio amplifier are mounted, the platform being retractable into a casing of the device when the antenna is not in use and extendable out of the casing to enable the antenna to operate effectively; wherein the device further comprises one or more components, mounted on the platform, which perform a digital process (see Fig 2, elements 22 and 24 and col. 7, Ins 6-52).

Regarding claim 2, referring to Fig 12 and col. 9, Ins 21-54, Hollander teaches the removable wireless device of Claim 1 in which a component mounted on the platform perform one or more of the following digital processes:

- (i) D/A conversion;
- (ii) Signal filtering;
- (iii) Modulation or demodulation;
- (iv) Channel coding or de-coding;
- (v) generating an analogue baseband signal;

- (vi) generating a digitized version of an analogue baseband signal.

Regarding claim 3, referring to Fig 12 and col. 9, lns 21-54, Hollander teaches the removable wireless device of Claim 2 in which one or more of the following components are mounted on the platform:

- (i) a baseband processor,
- (ii) a radio transceiver.

Regarding claim 4, Hollander teaches the removable wireless device of any preceding Claim in which the platform comprises a printed circuit board (see Fig 4, element 14 and col. 2, lns 22-36).

Regarding claim 5, Hollander teaches the removable wireless device of Claim 4 in which electrical connections between the antenna and the or each component mounted on the platform are printed directly onto the printed circuit board on which the components and the antenna are mounted (see Fig 4, element 14; col. 2, lns 22-36 and col. 6, ln 48-col. 7, ln 5).

Regarding claim 6, Hollander teaches the removable wireless device of any preceding Claim in which the antenna is printed directly onto the circuit board (see Fig 4, element 14; col. 2, lns 22-36 and col. 6, ln 48-col. 7, ln 5).

Regarding claim 7, Hollander teaches the removable wireless device of any preceding claim in which the platform slides within a PC Card casing (see Fig 1).

Regarding claim 8, Hollander teaches the removable wireless device of any preceding Claim in which the platform may slide out under the force of a spring ejection

mechanism, the force of a motorised ejector or be capable of being extracted manually (see col. 3, Ins 12-24).

Regarding claim 9, Hollander teaches the removable wireless device of any preceding Claim in which the device further comprises a sensor which detects the position of the platform and automatically switches the wireless device on if the platform is extended beyond a first position and automatically switches the wireless device off if the platform is retracted beyond a second-position (see col. 7, Ins 6-52 and col. 9, Ins 21-54).

Regarding claim 10, Hollander teaches the removable wireless device of Claim 9 in which the sensor comprises a voltage sensing arrangement in which the voltage applied to a part of the platform varies depending on its position and the applied voltage can be measured to determine the position of the platform (see col. 7, Ins 6-52 and col. 9, Ins 21-54).

Regarding claim 11, Hollander teaches the removable wireless device as claimed in any preceding Claim further including LEDs which are controlled to light up indicating the status or condition of the Card (see col. 7, Ins 6-52 and col. 9, Ins 21-54).

Regarding claim 12, Hollander teaches the removable wireless device of Claim 11 in which the LEDs are mounted distant from the antenna in order to minimise interference with the antenna and at least one light pipe carries light from the LEDs (see col. 7, Ins 6-52 and col. 9, Ins 21-54).

Regarding claim 13, Hollander teaches the removable wireless device of any preceding Claim in which the platform is fully removable from the device to allow a new platform to be inserted into the device (see col. 7, Ins 6-52 and col. 9, Ins 21-54).

Regarding claim 14, Hollander teaches the removable wireless device of Claim 13 in which the removable platform enables an upgraded version of the platform to be inserted into the device (see col. 7, Ins 6-52 and col. 9, Ins 21-54).

As to claims 15 and 18-24, they are rejected for the same reasons set forth to rejecting claims 1, 3-8 and 10, respectively.

As to claims 16-17, they are rejected for the same reasons set forth to rejecting claim 2.

As to claims 25-35, they are rejected for the same reasons set forth to rejecting claims 1 and 7.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following patents are cited to further show the state of the art in general:

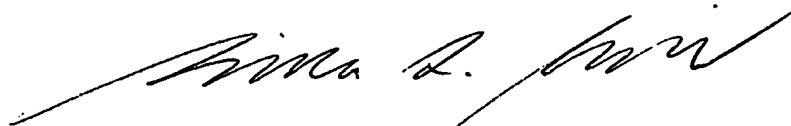
U.S. Pat. No. 5,815,820

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bing Bui whose telephone number is (703) 308-5858. The examiner can normally be reached on Monday through Thursday from 7:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar, can be reached on (703) 305-4731. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306 and for formal communications intended for entry (please label the response ☐EXPEDITED PROCEDURE☐) or for informal or draft communications not intended for entry (please label the response "PROPOSED" or "DRAFT").

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

05 JAN 2005



BING Q. BUI
PRIMARY EXAMINER